RFC # 669
NIC # 31435

D. W. DODDS, BBN-TENEXA
4 DECEMBER, 1974

NOVEMBER, 1974, SURVEY OF NEW-PROTOCOL TELNET SERVERS

TWO MONTHS HAVE ELAPSED SINCE OUR LAST SURVEY, AND THE APPEARANCE OF ADDITIONAL NEW-PROTOCOL SERVERS HAS PROGRESSED AT THE USUAL SNAIL'S PACE. THE CHANGES IN THIS LIST ARE (WITH HOST NUMBERS IN OCTAL):

SRI-AI (102) NOW HAS A NEW-PROTOCOL SERVER;
SDC-LAB (10) IS BACK ON THE NET AND THE LIST;
SDC-CC (110) IS COMING ON THE NET BUT STATUS IS AS YET UNKNOWN;
USC-ISI (126) AND USC-ISIB (226) (FORMERLY ISI-DEVTENEX) NOW HAVE NEW-PROTOCOL SERVERS;
SDAC-44 (32) HAS BEEN REMOVED--NO LONGER CLASSED AS A SERVER HOST;
HAWAII-500 (314) IS COMING ON THE NET, STATUS PRESENTLY UNKNOWN;
LONDON (52) HAS BEEN ADDED;
BBN-TENEXD IS NOW HOST 162 (FORMERLY 205).

WHAT FOLLOWS IS AN UPDATE OF THE SUMMARY AND TABULATION THAT APPEARED IN RFC #702.* IS THERE LIGHT AT THE END OF THE TUNNEL?

TOTAL SERVER HOSTS	37	100%
NO NEW-PROT SERVER	19	51%
UNKNOWN STATUS (NEW HOSTS)	2	6%
TOTAL NEW-PROT IMPLEM.	16	43%
NEW-PROT ON SOCKET 27, OLD ON SOCKET 1 (2)	9	24%
NEW-PROT ON 1 AND 27 (3)	6	16%
NEW-PROT ON 1 ONLY (3)	1	3%

NOTES:

* ALL DATA IN THIS REPORT WERE GATHERED VIA A SURVEYING PROGRAM RUN AT VARIOUS TIMES, PLUS A FEW MANUAL CHECKS TO FILL OUT THE DATA. WHAT IS REPORTED HERE IS THE WAY THE VARIOUS SERVERS WORK AS SEEN BY THE NEW-PROTOCOL USER TELNET AT BBNA, AS OF 4 DEC. 1974.

(2) THESE ARE THE SITES WHOSE OPERATION IS 100% CORRECT ACCORDING TO ALL PROTOCOLS AND CONVENTIONS, AS I UNDERSTAND THEM.

(3) WE REALIZE THAT SOME OF THE SERVERS THAT APPEAR HERE AS NEW-PROTOCOL SERVERS ON SOCKET 1 ARE ACTUALLY SERVERS WHICH ATTEMPT TO COMMUNICATE WITH BOTH OLD- AND NEW-PROTOCOL USER TELNETS ACCORDING TO WHAT CONTROL SEQUENCES ARE RECEIVED.

TABULATION OF SERVER STATUS FOR ALL SERVER SITES:

HOST NO.	HOST NAME	SOCKET 1	SOCKET 27	NEW-PROT. OPTIONS IMPLEMENTED (IF ANY)
101	UCLA-CCN	OLD	X	
201	UCLA-CCB5	OLD	X	
2	SRI-ARC	OLD	X	
102	SRI-AI	OLD	NEW	I1,3,6; O3
3	UCSB-MOD75	OLD	X	
4	UTAH-10	OLD	X	
105	BBN-TENEX	OLD	NEW	I1,3,6; O3
305	BBN-TENEXA	OLD	NEW	I1,3,6; O3
106	MIT-DMS	NEW	NEW	I1,3; O3
206	MIT-AI	OLD	X	
306	MIT-ML	OLD	X	
7	RAND-RCC	OLD	X	
10	SDC-LAB	OLD	X	
110	SDC-CC	?	?	
11	HARV-10	NEW	X	I1,3; O3
12	LL-67	OLD*	X	
112	LL-TX-2	OLD	X	
13	SU-AI	NEW*	NEW*	I1,3
15	CASE-10	OLD	X	
16	CMU-10B	NEW	NEW	I1,3; O3
116	CMU-10A	NEW	NEW	I1,3; O3
17	IL-TENEX	OLD	X	
217	KILB-TENEX	OLD	X	
20	AMES-67	NEW	NEW	NONE
126	USC-ISI	OLD	NEW	I1,3,6; O3
226	USC-ISIB	OLD	NEW	I1,3,6; O3
27	USC-44	OLD	X	
327	USC-ECL	OLD	X	
37	CCA-TENEX	OLD	X	
40	PARC-MAXC	OLD	NEW	I1,3,6; O3
43	UCSD-CC	OLD	NEW	IO(1),3; O0,3
344	HAWAII-500	?	?	
52	LONDON	OLD*	X	
53	OFFICE-1	OLD	X	
54	MIT-MULTICS	NEW	NEW	NONE
61	BBN-TENEXB	OLD	NEW	I1,3,6; O3
162	BBN-TENEXD	OLD	NEW	I1,3,6; O3

KEY:

X — NO SERVER AT THIS SOCKET

? — STATUS NOT ASCERTAINED--UNABLE TO CONNECT TO HOST

I# — OPTION # IMPLEMENTED INCOMING TO USER (SERVER SAYS "WILL #")

O# — OPTION # IMPLEMENTED OUTGOING FROM USER (SERVER SAYS "DO #")

(# IS OPTION NUMBER IN NEW PROTOCOL. ALL OPTIONS IMPLEMENTED BY ANYONE ARE:

0 TRANSMIT-BINARY
1 ECHO
3 SUPPRESS-GO-AHEAD
6 TIMING-MARK)

NOTE: * THESE SERVERS RETURN IMPROPER RESPONSES TO SOME TELNET OPTION REQUESTS.